

ABSTRACT

~~The invention relates to a~~ A gas discharge source, in particular, for generating extreme ultraviolet and/or soft X-radiation, ~~in which~~ has a gas-filled intermediate electrode space [[(3)]] located between two electrodes, ~~(1, 2), in which~~ devices for the admission and evacuation of gas ~~are present~~, and ~~in which~~ one electrode ~~(1) exhibits~~ that has an opening [[(5)]] that defines an axis of symmetry [[(4)]] and is provided for the discharge of radiation. ~~The proposed improvements constitute the presence of a~~ A diaphragm ~~(6), which~~ exhibits at least one opening [[(7)]] on the axis of symmetry [[(4)]] and operates as a differential pump stage, between the two electrodes ~~(1, 2)~~.

~~Fig. 2~~